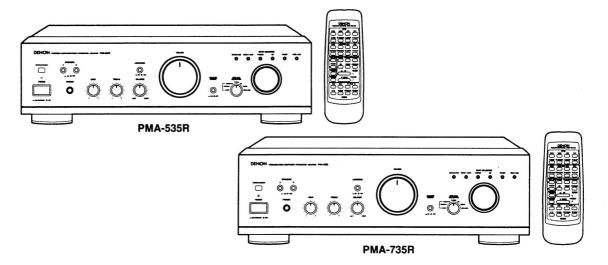
DENON

Hi-Fi Integrated Stereo Amplifier

SERVICE MANUAL

MODEL PMA-535R/735R

INTEGRATED STEREO AMPLIFIER



- TABLE OF CONTENTS -

SAFETY PRECAUTIONS	
DISASSEMBLY	3~6
BLOCK AND LEVEL DIAGRAM	
ADJUSTMENT	8
SEMICONDUCTORS	9~11
PRINTED WIRING BOARD	12~14
NOTE FOR PARTS LIST	15
PARTS LIST OF P.W.BOARD	16~21
PARTS LIST OF EXPLODED VIEW (PMA-535R)	22
EXPLODED VIEW (PMA-535R)	23
EXPLODED VIEW (PMA-735R)	24
PARTS LIST OF EXPLODED VIEW (PMA-735R)	25
WIRING DIAGRAM	26
SCHEMATIC DIAGRAM	27,28

• Some illustration using in this service manual is slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

PMA-535R

POWER AMPLIFIER SECTION Rated Output Power: Both channel driven (8 Ω/ohms Load) 20 Hz to 20 kHz, T.H.D. 0.07% (4 Ω/ohms Load) DIN, 1 kHz, T.H.D. 0.7% Total Harmonic Distortion:

(-3 dB at rated output, 8 Ω/ohms) (1 kHz)

 PRF AMPLIFIER SECTION PRE AMPLIFIER SET Rated Output: (Recout Terminal) Input Sensitivity/ Input Impedance: PHONO:

CD, TUNER, DVD/AUX, TAPE-1/DAT, TAPE-2/MD **RIAA Deviation:**

 OVERALL CHARACTERISTICS SN Ratio (IHF A Network): (input terminals shortcircuited) SOURCE-DIRECT: ON

50 W + 50 W 85 W + 85 W 0.01%

150 mV

2.5 mV/47 kΩ/kohms 150 mV/47 kΩ/kohms

20 Hz ±20 kHz ±0.5 dB

PHONO 86 dB (at 5 mV input) CD, TUNER, DVD/AUX TAPE-1/DAT, TAPE-2/MD: Tone Control Adjustable Range:

BASS: TREBLE 100 Hz ±8 dB 10 kHz ±8 dB 100 Hz +6 dB LOUDNESS 10 kHz +6 dB

 OTHERS Power Supply:

AC 230 V, 50 Hz (Europe & Asia & Hong Kong Models) AC 120 V, 60 Hz (U.S.A., Canada &

(U.S.A., Canada & Taiwan R.O.C. Models)

AC Outlets: Switched X 3:

Dimensions:

Net Weight:

120 W (U.S.A., Canada & Taiwan R.O.C. Models)

(Europe & Asia & Hong Kong Models) 185 W (IEC) **Power Consumption:** (Europe & Asia & Hong Kong Models)

3.0 A

3.0 A (U.S.A., Canada & Taiwan R.O.C. Models) 434 (W) X 120 (H) X 338 (D) mm (17-3/32" X 4-23/32" X 13-19/64")

7.3 kg (16 lbs 1 oz)

REMOTE CONTROL UNIT (RC-843)

Remote control system: Power supply:

Infrared pulse system 3 V DC, Two size R6P ("AA") dry cell batteries 54 (W) X 155 (H) X 29 (D) mm (2-1/8" X 6-7/64" X 1-1/64") 100 g (Approx. 3.5 oz) (including batteries) **External dimensions:** Weight:

PMA-735R

POWER AMPLIFIER SECTION Rated Output Power: Both channel driven

(8 Ω/ohms Load) 20 Hz to 20 kHz, T.H.D. 0.07% (4 Ω/ohms Load) DIN, 1 kHz, T.H.D. 0.7% Total Harmonic Distortion:

(-3 dB at rated output, 8 Ω/ohms) (1 kHz)

• PRE AMPLIFIER SECTION Rated Output: (Recout Terminal) Input Sensitivity/

Input Impedance: PHONO: CD, TUNER, DVD/AUX, TAPE-1/DAT, TAPE-2/MD

RIAA Deviation:

• OVERALL CHARACTERISTICS SN Ratio (IHF A Network): (input terminals short-

circuited) SOURCE-DIRECT: ON 65 W + 65 W

120 W + 120 W

0.01%

150 mV

2.5 mV/47 kΩ/kohms 150 mV/47 kΩ/kohms

20 Hz ±20 kHz ±0.5 dB

PHONO 86 dB

(at 5 mV input) CD, TUNER, DVD/AUX TAPE-1/DAT, TAPE-2/MD:

107 dB

Tone Control Adjustable Range:

100 Hz ±8 dB TREBIE: 10 kHz ±8 dB LOUDNESS: 10 kHz +6 dB

OTHERS

Dimensions:

AC 230 V, 50 Hz **Power Supply:**

(Europe & Asia & Hong Kong Models) AC 120 V, 60 Hz

(U.S.A., Canada & Taiwan R.O.C. Models)

AC Outlets: Switched X 3:

(U.S.A., Canada & Taiwan R.O.C. Models)

100 W

(Europe & Asia & Hong Kong Models) **Power Consumption:** 250 W (IEC)

120 W

(Europe & Asia & Hong Kong Models)

4 0 A (U.S.A., Canada &

Taiwan R.O.C. Models) 434 (W) X 143 (H) X 344 (D) mm (17-3/32" X 5-5/8" X 13-35/64")

Net Weight: 9.5 kg (20 lbs 15 oz)

REMOTE CONTROL UNIT (RC-843)

Remote control system:

Power supply:

External dimensions: Weight:

Infrared pulse system 3 V DC, Two size R6P ("AA") dry cell batteries 54 (W) X 155 (H) X 29 (D) mm (2-1/8" X 6-7/64" X 1-1/64")

100 g (Approx. 3.5 oz) (including batteries)

Maximum dimensions include controls, lacks, and covers.

⁽W) = width, (H) = height, (D) = depth

For improvement purposes, specifications and functions are subject to change without advanced notice

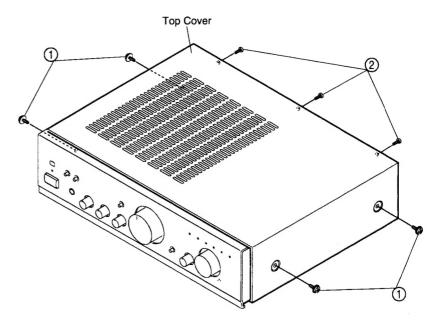
DISASSEMBLY

(Follow in the reverse order when reassembling)

PMA-535R

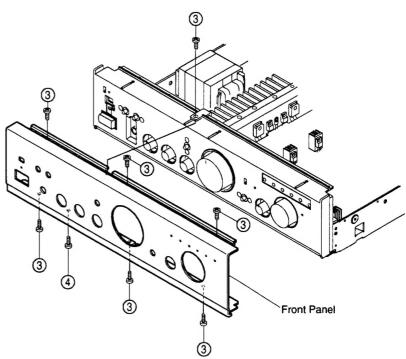
Top Cover

Remove 4 screws (1) on both sides, 3 screws (2) on the rear, then detach the Top Cover.



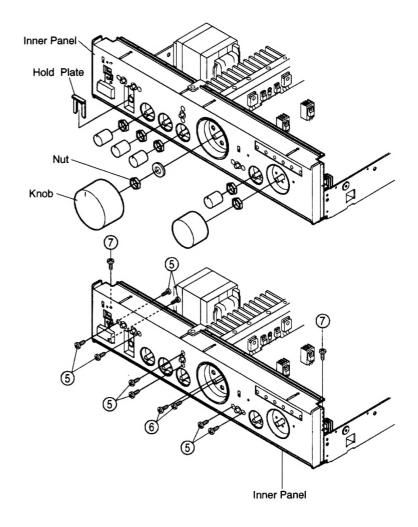
Front Panel

Remove 7 screws ③, 1 screw ④ on upper and lower edges of the Front Panel, then detach it.



Inner Panel

- 1. Take off 6 knobs, 6 nuts, and 1 hold plate.
- 2. Remove 8 screws (5) fixing each P.W.B.
- 3. Remove 2 screws 6.
- 4. Remove 2 screws 7.



Main P.W.B. and Heat Sink

1. Remove 2 screws (8) on the bottom.

2. Remove 1 screw ③, 8 screws ⑪ on the rear, then detach the Main P.W.B. and Heat Sink in the arrow direction.

Heat Sink

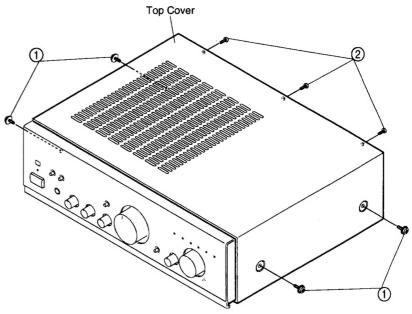
Heat Sink

Main P.W.B.

PMA-735R

Top Cover

Remove 4 screws ① on both sides, 3 screws ② on the rear, then detach the Top Cover.

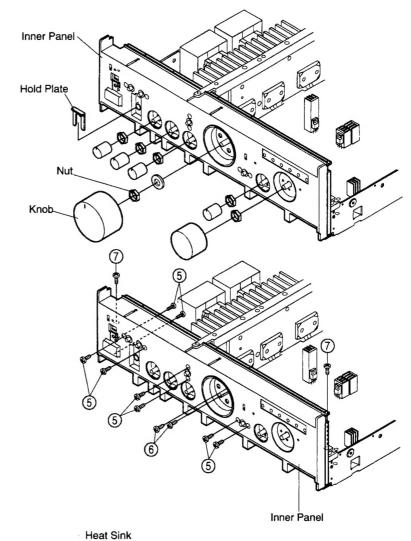


Front Panel

Remove 7 screws ③, 1 screw ④ on upper and lower edges of the Front Panel, then detach it.

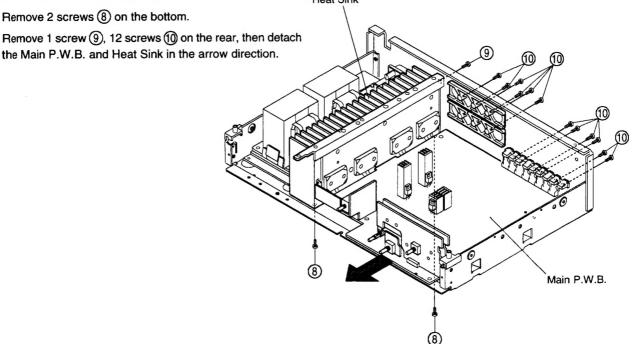
Inner Panel

- 1. Take off 6 knobs, 6 nuts, and 1 hold plate.
- 2. Remove 8 screws 5 fixing each P.W.B.
- 3. Remove 2 screws 6.
- 4. Remove 2 screws (7).



Main P.W.B. and Heat Sink

1. Remove 2 screws (8) on the bottom. 2. Remove 1 screw (9), 12 screws (10) on the rear, then detach



PMA-535R/735R **BLOCK AND LEVEL DIAGRAM** 1 4 2 3 - SPEAKER - HEAD PHONE 120W/40hm (26.8dB) (PMA-735R) 85W/4ohm (25.3dB) (PMA-535R) A POWER AMP MAIN VOLUME В LOUDNESS BASS/TREBLE 107dB (CD etc.···) m -123.5dB SOURCE DIRECT ### BALANCE BUFFER C INPUT SELECTOR 86dB MM (at 5mV input) REC OUT SELECTOR D CD etc. ··· 150mV (-16.5dB)

TAPE-2

TAPE-1

REC

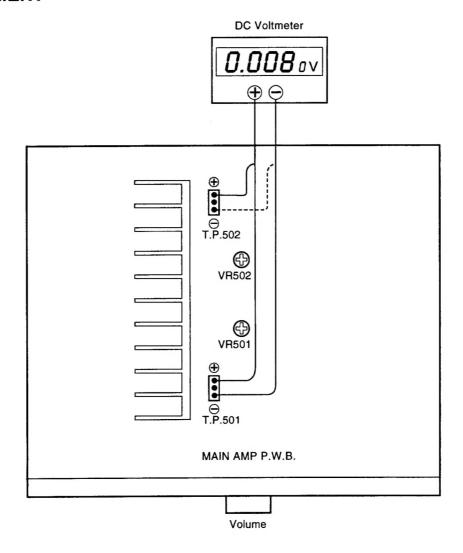
CD TUNER AUX TAPE-1 TAPE-2

P.8.

E

MM 2.5mV (-52dB)

ADJUSTMENT



IDLING CURRENT

Setup

- 1. Place the unit at an ordinary position avoiding direct air flow from an air-conditioner or fan. Do the adjustment at a temperature between 15 °C (59 °F) and 30 °C (86 °F).
- 2. Set control as follows.

POWER switch

→ OFF (■)

VOLUME control

→ fully counterclockwise (min.)

SPEAKER terminals

→ open: do not connect the speakers, dummy load etc.

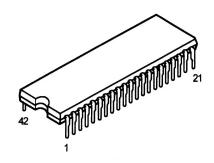
Adjustment

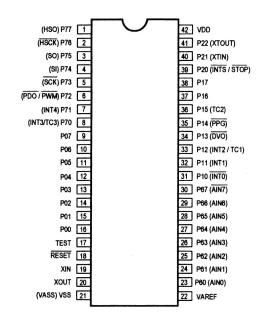
- 1. Remove top cover. And then connect DC voltmeter to the test points TP501 and TP502 of MAIN AMP P.W.B. (1U-3110/PMA-535R) (1U-3156/PMA-735R).
- 2. Connect power cord to AC230V (218 ~ 242V) (Europe & Asia Models) or AC120V (114~126V) (U.S.A,Canada & TAI-WAN R.O.C Models) wall outlet, and turn POWER switch "ON" (__).
- 3. Right after power on, adjust VR501 and VR502 so that the DC voltmeter reads 10 ± 1 mV.
- 4. Then after 2 minutes warmup adjust VR501 and VR502 so that the DC voltmeter reads 10 ±1mV.
- 5. And after 10 minutes warmup adjust VR501 and VR502 so that the DC voltmeter reads 10 ±0.5mV.

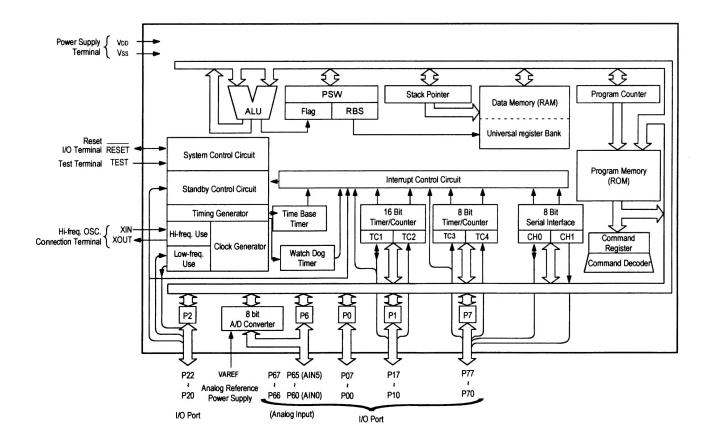
SEMICONDUCTORS

● IC's

TMP87C846N







TMP87C846N Terminal Function

Pin No.	Pe	ort Name	I/O	Тур	Function
1	P77		0	С	AC power relay drive
2	P76		0	С	
3	P75	(SO)	0	С	Analog switch data
4	P74	(SI)	0	С	Analog switch strobe
5	P73	(SCK)	0	С	Analog switch clock
6	P72		0	С	Mute/standby LED drive
7	P71	(INT4)	0	С	Motor volume up
8	P70	(INT3)	ı	С	Remote control signal input
9	P07		0	С	TAPE-2 LED drive
10	P06		0	С	TAPE-1 LED drive
11	P05		0	С	
12	P04		0	С	
13	P03		0	С	AUX LED drive
14	P02		0	С	TUNER LED drive
15	P01		0	С	CD LED drive
16	P00		0	С	PHONO LED drive
17	TEST				To Vss
18	RESET				Reset
19	XIN				X'tal input
20	XOUT				X'tal output
21	Vss	(Vass)			GND
22	VAREF				To VDD
23	P60		1	С	
24	P61		1	С	
25	P62		ı	С	REC OUT selector switch input
26	P63		1	С	Function switch encoder input
27	P64		ı	С	•
28	P65		0	С	Muting signal output
29	P66		0	С	
30	P67		0	С	
31	P10	(INTO)	ı	С	Protector input
32	P11	(INT1)	1	С	Power off
33	P12	(INT2)	0	C	Motor volume down
34	P13		0	C	
35	P14		0	С	
36	P15		0	O	
37	P16		0	C	
38	P17		0	С	
39	P20	STOP	1	N	STOP MODE cancel
40	P21		1	N	
41	P22		1	N	
42	VDD				+5V

Note: Pin: Terminal number of μ com.

Port: The name entered in the data sheet of μ com.

I/O: Input or output of port.

"I"= Input port

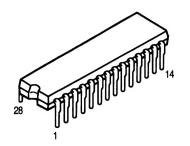
"O"= Output port

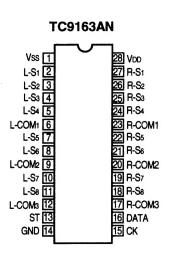
Type: Composition of port in case of output port.

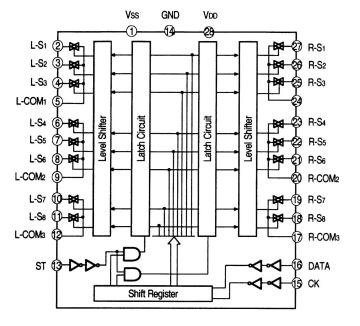
"C"= CMOS output
"N"= NMOS output

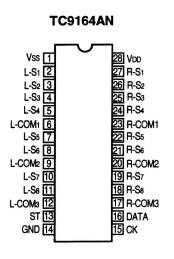
Function: Function and logical level of the signals to be interfaced.

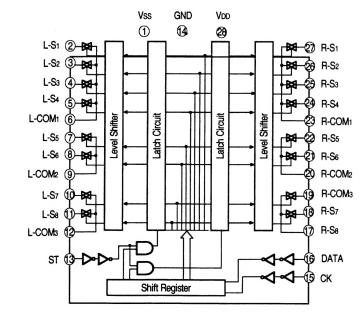
TC9163AN (IC202) TC9164AN (IC203)



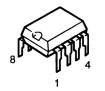


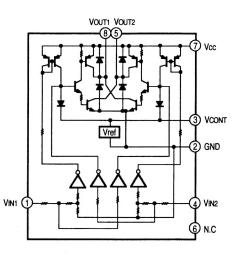






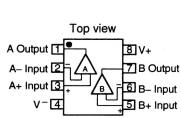
LB1639 (IC902)



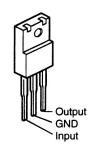


NJM2068DDC (IC401) BA14558 (IC301)

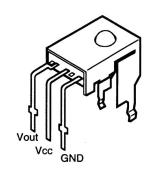


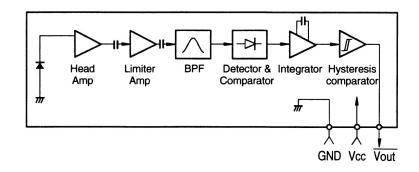


NJM7806FA (IC902)



GP1U271X (Remote Control Sensor) (IC904)

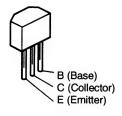




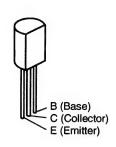
Anode

• TRANSISTORS

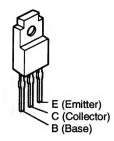
2SA933S (S) 2SC1740 (S)



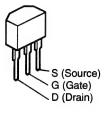
2SA988 (E/F) 2SC1841 (E/F)



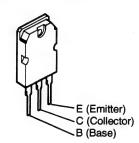
2SB1186A (D) 2SD1763A (D)



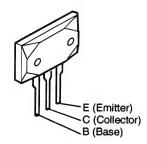
2SK184C (GR)/(BL)



2SB1383 (P/Y) 2SD2083 (P/Y)



MP1715 MN1715



DTC114EK

2SC2412K (S)



- 1: E (Emitter)
- 2: B (Base) 3: C (Collector)

DTC114EK

DTA114EK



1: E (Emitter) 2: B (Base) 3: C (Collector)

R2

DTA114EK

	R1	R2		
DTA114EK	10 kohm	10 kohm		
DTC114EK	10 kohm	10 kohm		

1SS252



DIODES (including LED)

Dark Blue

1SR35-200A

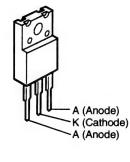






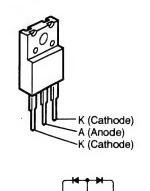
SLR56VR (LED) SEL-1210S

FMG-22S

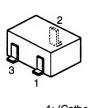




FMG-22R



MA151WA

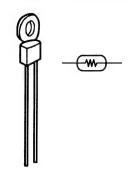


Cathode 1

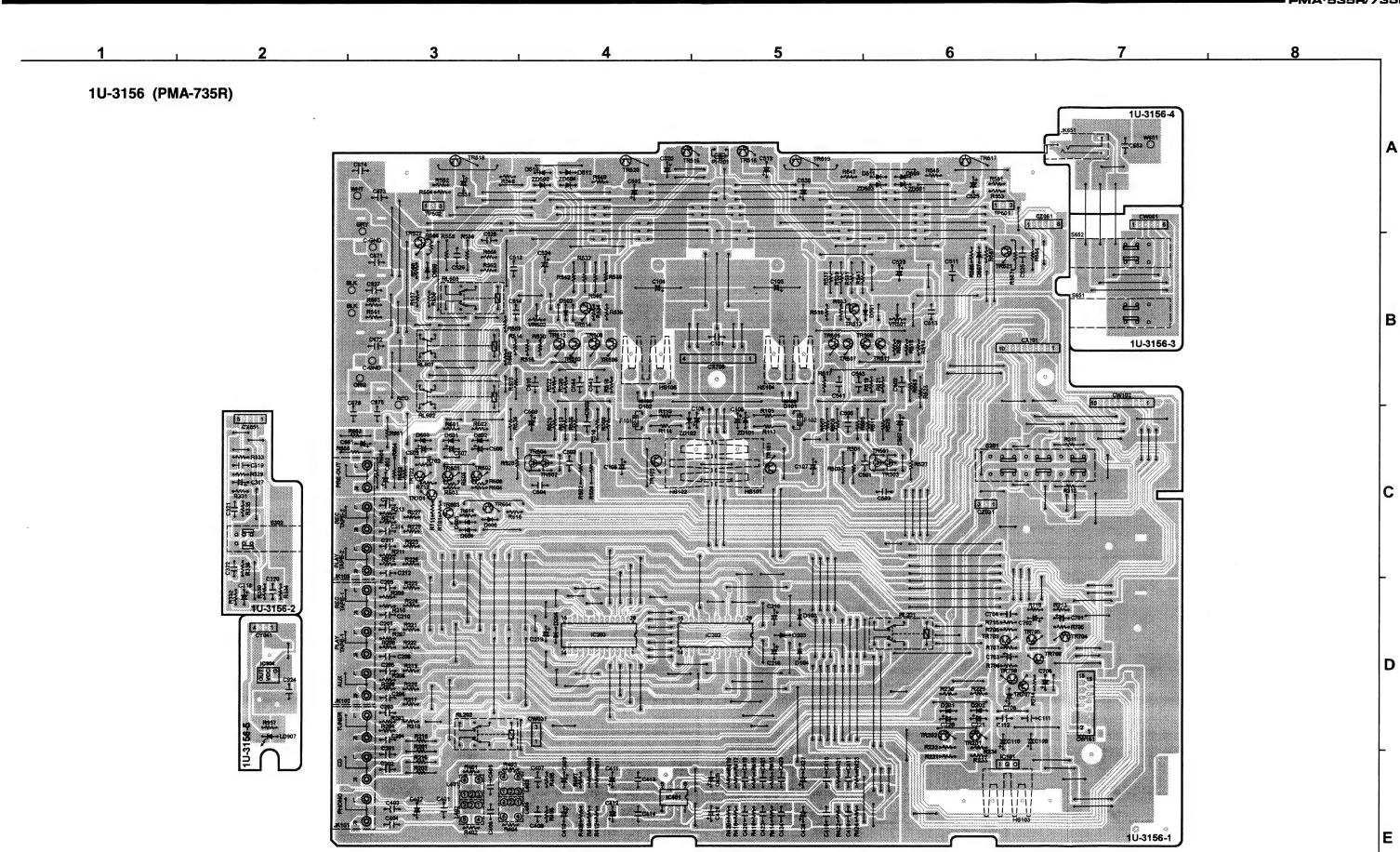
1: (Cathode) 2: (Cathode) 3: (Anode)

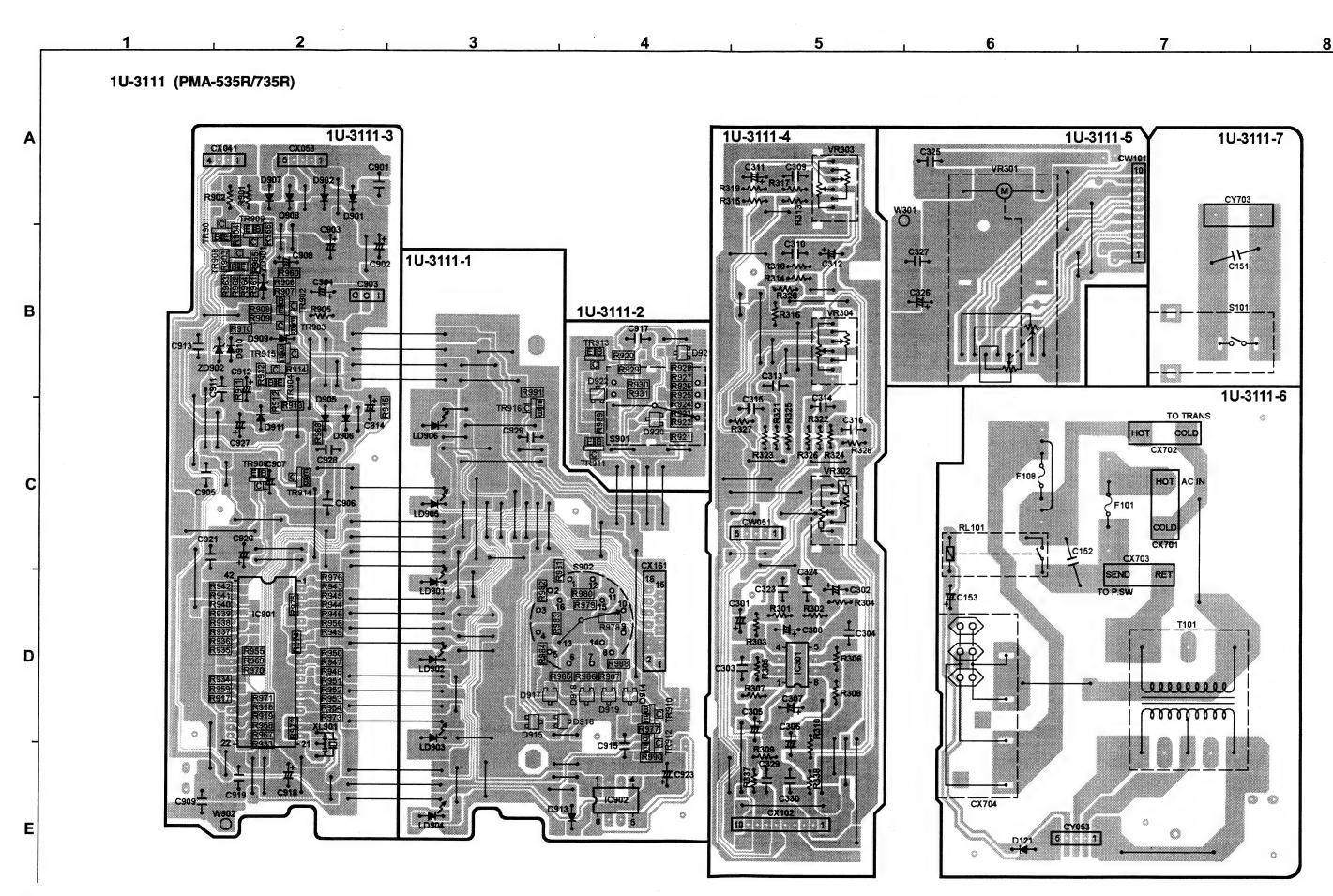
POSISTOR

PTH9M04BC222TS2F333 (P701)



0 1U-3110-1





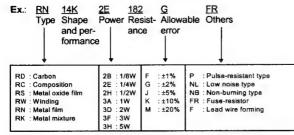
NOTE FOR PARTS LIST

- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "i" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

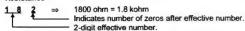
Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

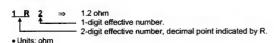
Resistors



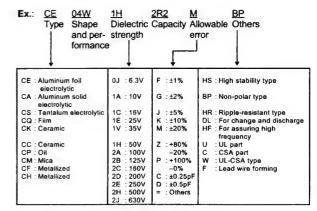
* Resistance



• Units: ohm



Capacitors



* Capacity (electrolyte only)

* Capacity (except electrolyte)

USED UNIT BY MODEL

	MAIN P.W.B. ASS'Y	U-COM P.W.B. ASS'Y
PMA535R Europe & Asia Model	1U-3110B	1U-3111B
PMA535R Taiwan R.O.C. Model	1U-3110	1U-3111D
PMA535R U.K. Model	1U-3110	1U-3111B
PMA735R Europe & Asia Model	1U-3156	1U-3111C
PMA735R Taiwan R.O.C. Model	1U-3156A	1U-3111E
PMA735R U.K. Model	1U-3156A	1U-3111C

[.] When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT 1U-3110B, 1U-3110 MAIN P.W.B ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	GROUP		R311,312	241 2425 909	Carbon film 12 kohm 1/4W	RD14B2E123J(PSNB)
IC101	263 0753 000	IC NJM7809FA(S)					
IC102,103	268 0073 905			R401,402	241 2399 938	Carbon film 2.2 kohm 1/4W	RD14B2E222J
IC202		IC TC9163AN					Europe Model Only
IC203	262 2488 008	IC TC9164AN		R423,424	241 2398 955	Carbon film 100 ohm 1/4W	RD14B2E102J
IC401	263 0609 002	IC NJM2068DDC					Europe Model Only
IC904	499 0290 007	Remocon sensor GP1U271X		R501,502	241 2420 988	Carbon film 220 ohm 1/4W	RD14B2E221J(PSNB)
				R503,504	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
TR101	274 0136 012	Transistor 2SD1913 (R/S)		R505,506	241 2421 903	Carbon film 270 ohm 1/4W	RD14B2E271J(PSNB)
TR102	272 0093 010	Transistor 2SB1274 (R/S)		R507,508	241 2424 900	Carbon film 4.7 kohm 1/4W	RD14B2E472J(PSNB)
				R509,510	241 2424 900	Carbon film 4.7 kohm 1/4W	RD14B2E472J(PSNB)
TR201,202	273 0303 910	Transistor 2SC1740S(S)		R511,512	241 2424 968	Carbon film 8.2 kohm 1/4W	RD14B2E822J(PSNB)
				R513~520		Carbon film 330 ohm 1/4W(NB)	RD14B2E331JNBS
TR501~504	275 0055 015	FET 2SK184C (GR)/(BL)		R521,522		Metal oxide 3.9 kohm 1W	RS14B3A392JNBS(S)
TR505~508	273 0235 923	Transistor 2SC1841(E/F)		R523,524	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
TR509~512	271 0131 924	Transistor 2SA988(E/F)		R525,526	241 2425 983		RD14B2E273J(PSNB)
TR513,514	273 0235 923	Transistor 2SC1841(E/F)		R527,528	241 2420 946	Carbon film 150 ohm 1/4W	RD14B2E151J(PSNB)
TR521,522	273 0235 923	Transistor 2SC1841(E/F)		R529,530	241 2377 921	` '	RD14B2E820JNBS
				R531,532	241 2424 955	Carbon film 7.5 kohm 1/4W	RD14B2E752J(PSNB)
TR601,602	273 0303 910	Transistor 2SC1740S(S)		R533~536	241 2377 992	Carbon film 160 ohm 1/4W(NB)	RD14B2E161JNBS
TR603,604	269 0067 901	Transistor RN1205(2.2K-47K)		R537,538		Carbon film 13 kohm 1/4W	RD14B2E133J(PSNB)
				R539,540	241 2424 900		RD14B2E472J(PSNB)
TR701~706	273 0303 910	Transistor 2SC1740S(S)		R541,542	241 2424 955		RD14B2E752J(PSNB)
TR707	271 0192 905	Transistor 2SA933S(S)		R543~550		Metal oxide 0.22 ohm 1W	RS14B3AR22JNBS(S)
TR708	273 0303 910	Transistor 2SC1740S(S)		R555~558	241 2425 967		RD14B2E223J(PSNB)
TR709	271 0131 924	Transistor 2SA988(E/F)		R561~564	244 2043 937	Metal oxide 10 ohm 1W	RS14B3A100JNBS(S)
D101	276 0681 000	Diode FMG-22S		R651,652	241 2425 909	Carbon film 12 kohm 1/4W	RD14B2E123J(PSNB)
D102	276 0682 009	Diode FMG-22R		R653,654	241 2422 902	Carbon film 680 ohm 1/4W	RD14B2E681J(PSNB)
D103,104	276 0553 905	Diode 1SR35-200A		R655,656	241 2427 923	Carbon film 100 kohm 1/4W	RD14B2E104J(PSNB)
				R657,658	244 2052 931	Metal oxide 390 ohm 1W	RS14B3A391JNBS(S)
D201~204	276 0616 907	Diode 1SS252					
				R996	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
D501,502	276 0616 907	Diode 1SS252		R998	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
D507~512	276 0616 907	Diode 1SS252					
				VR501,502	211 6075 024	Semi fixed resistor 4.7 kohm	V06PB472 (CERMET)
D601~606	276 0616 907	Diode 1SS252					
ZD101,102	276 0645 907	Zener diode MTZJ18A	18V	CARACIT	ORS GROU	•	
				C101		Metalized 0.1 µF/250V	CF93A2E104K
ZD501~504	276 0643 925	Zener diode MTZJ2.7A	2.7V	C101 C103,104	254 4519 709		CE04W==822MC(DL)
				C105,104 C105,106		Electrolytic 10 µF/50V	CE04W1H100M
LD907	393 9539 908	LED SLR-342VRTF7LM		0.00,.00		and the parties of	Europe Model
				C105,106	254 4313 918	Electrolytic 10 μF/50V	CE04W1H100M(ASF)
						,,	Taiwan R.O.C Model
DECLOTO	DC CDOUD			C107~109	254 4256 952	Electrolytic 220 μF/25V	CE04W1E221M
	RS GROUP	0-1	DD44B0C000 KD0ND			, , , , , , , , , , , , , , , , , , , ,	Europe Model
R109,110	241 2425 967	Carbon film 22 kohm 1/4W	RD14B2E223J(PSNB)	C107~109	254 4368 947	Electrolytic 220 µF/25V	CE04W1E221M(ASF)
R113,114	241 2422 944	Carbon film 1 kohm 1/4W	RD14B2E102J(PSNB)			,	Taiwan R.O.C Model
			DD44B050044/D04/D1	C110	254 4260 948	Electrolytic 1 μF/50V	CE04W1H010M
D004 5-1	044 0400 00-						
R201,202 R215,216	241 2428 935 241 2420 988	Carbon film 300 kohm 1/4W Carbon film 220 ohm 1/4W	RD14B2E304J(PSNB) RD14B2E221J(PSNB)	01.10			

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	3
C201,202	255 4237 929	Polypropylene film 56 pF/100V	CQ93P2A560J(NH)	C651,652	254 4261 918	Electrolytic 47 μF/50V	CE04W1H470N	1
			Europe Model Only	C653	255 1264 908	Mylar film 1000 pF/50V	CQ93M1H102J	(B)
C203~214	253 4537 982	Ceramic 56 pF/50V	CC45SL1H560J(DD-3)	C671,672	255 1264 940	Mylar film 2200 pF/50V	CQ93M1H222J	
		P	Europe Model Only			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Europe Model (
C219	254 4260 993	Electrolytic 22 µF/50V	CE04W1H220M	C673~676	255 1265 936	Mylar film 0.01 µF/50V	CQ93M1H103J	
0210	204 4200 333	Liectrolytic 22 pii 150 v	Europe Model	0010 010	200 1200 000	Mylar IIIII 0.01 pii 700 v	Europe Model (
C219	254 4313 921	Electrolytic 22 μF/50V	CE04W1H220M(ASF)				Luiope Model C	Jilly
C219	254 43 13 92 1	Electrolytic 22 µF/50V		0704 700	254 4256 949	Flooring 400 F/05V	050414454041	
00177010			Taiwan R.O.C Model	C701,702		Electrolytic 100 μF/25V	CE04W1E101N	
C317,318		Electrolytic 0.1 μF/50V	CE04W1H0R1M	C703	254 4261 905	Electrolytic 33 μF/50V	CE04W1H330N	
C319,320		Mylar film 0.022 μF/50V	CQ93M1H223J(B)	C704	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J	, ,
C321,322	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)	C705	254 4260 919	Electrolytic 0.22 μF/50V	CE04W1HR22N	
				C706	254 4260 948	Electrolytic 1 μF/50V	CE04W1H010N	/î
C401	255 1264 953	Mylar film 2700 pF/50V	CQ93M1H272J(B)	C924	255 1265 936	Mylar film 0.01 µF/50V	CQ93M1H103J	(B)
			Europe Model Only					
C403~406	253 4538 965	Ceramic 120 pF/50V	CC45SL1H121J(DD-3)	1				
			Europe Model Only					
C407,408	253 1179 929	Ceramic 150 pF/50V	CK45B1H151K(DD-3)	OTHER P			,	Q'ty
C409,410		Electrolytic 10 µF/16V	CE04W1C100M	CW061	205 0343 061	6P connector base (KR-PH)	1	1
C411,412		Electrolytic 220 µF/10V	CE04W1A221M	CW102	205 1081 005	10P FJ connector base		1
C413,414		Ceramic 100 pF/50V	CC45SL1H101J(DD-3)	CW161	205 1056 027	16P connector socket TKC-V		1
0410,414	255 4550 545	Ceramic 100 pi 700 v	Europe Model Only					
0447.440	055 4004 000	NA 1 51 4000 - 5/50V		CX051	205 0885 008	5P connector socket (TUC-P)		1
C417,418	255 1264 908	Mylar film 1000 pF/50V	CQ93M1H102J(B)	CX101	205 0884 054	10P connector base (TUC-P)		1
			Europe Model Only	CX705	205 0087 042	4P wrapping terminal		1
C419,420		Mylar film 6800 pF/50V	CQ93M1H682J(B)					
C421,422		Mylar film 0.022 μF/50V	CQ93M1H223J(B)	CY041	205 0343 045	4P connector base (KR-PH)		1
C423,424	255 1264 940	Mylar film 2200 pF/50V	CQ93M1H222J(B)	01041	200 0040 040	41 Connector base (NIC-111)		'
C425,426	254 4260 948	Electrolytic 1 µF/50V	CE04W1H010M	C7061	205 0242 064	CD connectes have (I/D DU)		4
			Europe Model	CZ061	205 0343 061	6P connector base (KR-PH)		1
C425,426	254 4313 963	Electrolytic 1 µF/50V	CE04W1H010M(ASF)					
			Taiwan R.O.C Model	JK101~103				3
C427,428	254 4260 951	Electrolytic 2.2 µF/50V	CE04W1H2R2M	JK651	204 8341 004	Headphones jack		1
				JK701	205 0472 013	8P SP terminal (EAEK)	Taiwan R.O.C Model	1
C501,502	255 4235 918	Polypropylene film 100 pF/100V	CQ93P2A101J(NH)					
C503,504		Polypropylene film 100 pF/100V	CQ93P2A101J(NH)	L401,402	235 9003 002	FTZ choke coil	Europe Model Only	2
			Except Europe Gold Model					
C505,506	255 1264 908	Mylar film 1000 pF/50V	CQ93M1H102J(B)	RL201,202	214 0127 003	Relay (RY-12W)		2
C507,508		Electrolytic 47 µF/25V	CE04W1E470M	RL601,602	214 0195 006	Relay FTR-F1		2
C301,300	254 4250 950	Electrolytic 47 µr/25V		RL603	214 0127 003	Relay (RY-12W)		1
0507.500	054 4400 007	F141-4:- 47 F/05V	Europe Model					
C507,508	254 4492 907	Electrolytic 47 µF/25V	CE04W1E470M(ASF)	S301	212 1130 006	1P push switch		1
			Taiwan R.O.C Model	S302	212 1175 003	1P push switch		1
C509,510		Polypropylene film 39 pF/100V	CQ93P2A390J(NH)	S651		2P push switch		1
C521,522	255 4235 918	Polypropylene film 100 pF/100V	CQ93P2A101J(NH)	0001	212 1000 000	Z. paon omion		ı.
			Europe Gold Model Only	TP501,502	205 0100 026	3P NH connector base		2
C523,524	254 4261 921	Electrolytic 100 μF/50V	CE04W1H101M	17301,302	203 0130 030	or fall confidence page		-
			Europe Model	111054	000 0504 007	45.00		
C523,524	254 4313 950	Electrolytic 100 μF/50V	CE04W1H101M(ASF)	W651	203 0501 027	1P SIN con. Ass'y		1
			Taiwan R.O.C Model					
C525,526	255 1264 908	Mylar film 1000 pF/50V	CQ93M1H102J(B)			8P SP terminal (E2)	Europe Model	1
C527,528		Metalized 0.1 µF/50V	CF93A1H104J (JL)		417 0476 007	Radiator		3
C529~532		Electrolytic 4.7 µF/63V	CE04W1J4R7M		471 3304 028	Screw 3 x 8 CBS-B		3
JJ27-JJ2	207 4202 304	Elouolyuo 4.7 µr703V	Europe Model Only					
OE44 544	255 4004 040	Marine 61m 2200 -5/501/						
C541~544	ZDD 1264 940	Mylar film 2200 pF/50V	CQ93M1H222J(B)					

1U-3111B, 1U-3111C, 1U-3111D, 1U-3111E U-COM P.W.B ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	GROUP		R925	247 0005 989	Carbon chip 220 ohm 1/10W	RM73B-221J
IC301	263 0322 004	IC BA4558		R926	247 0006 917	Carbon chip 300 ohm 1/10W	RM73B-301J
				R927	247 0006 946	Carbon chip 390 ohm 1/10W	RM73B-391J
IC901	262 2469 001	IC TMP87C846N-***		R928	247 0006 991	Carbon chip 620 ohm 1/10W	RM73B-621J
IC902	263 0476 002			R929	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B-102J
IC903		IC NJM7806FA(S)		R930	1	Carbon chip 2 kohm 1/10W	RM73B-202J
		, ,		R931	247 0009 930	Carbon chip 6.2 kohm 1/10W	RM73B622J
TR901,902	273 0384 900	Transistor 2SC2412K(S)		R932	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J
TR903		Transistor DTC114EK		R933	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B-472J
TR904		Transistor 2SC2412K(S)		R934~939	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B-473J
TR905		Transistor DTC114EK		R940	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B-102J
TR908,909		Transistor 2SC2412K(S)	11	R941~943	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J
		Transistor DTA114EK		R944~946	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B-102J
				R947,948	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B-473J
D121	276 0616 907	Diode 1SS252		R949~954	247 0006 988	Carbon chip 560 ohm 1/10W	RM73B-561J
				R955,956	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B103J
D901,902	276 0553 905	Diode 1SR35-200A		R958,959	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B473J
D905~908		Diode 1SR35-200A		R961	247 0012 927	· ·	RM73B-104J
D909~911		Diode 1SS252		R962	247 0009 985	Carbon chip 10 kohm 1/10W	RM738-103J
D913	276 0616 907			R963~966		Carbon chip 4.7 kohm 1/10W	RM73B-472J
D914~922	276 0438 907	Diode MA151WA		R967		Carbon chip 47 kohm 1/10W	RM73B-473J
5514 522	2100400001	Diode in the training		R968		Carbon chip 4.7 kohm 1/10W	RM73B-472J
ZD901	276 0635 904	Zener diode MTZJ7.5C	7.5V	R969~971		Carbon chip 1 kohm 1/10W	RM73B-102J
ZD902		Zener diode MTZJ3.3A	3.3V	R972		Carbon chip 1 Mohm 1/10W	RM73B-105J
20002	210 0004 000	Editor Glodo INTEGO.OA	0.01	R973~977		Carbon chip 1 kohm 1/10W	RM73B-102J
LD901~906	393 9434 906	LED SEL1210S	Red	R978		Carbon chip 91 ohm 1/10W	RM73B-910J
20001 000	000 0 10 1 000	220 02212100	7.00	R979		Carbon chip 110 ohm 1/10W	RM73B-111J
				R980	1	Carbon chip 130 ohm 1/10W	RM73B-131J
	****	<u></u>		R981		Carbon chip 160 ohm 1/10W	RM73B-161J
RESISTO	RS GROUP			R982		Carbon chip 220 ohm 1/10W	RM73B221J
R901,902	241 2376 922	Carbon film 33 ohm 1/4W(NB)	RD14B2E330JNBS	R983		Carbon chip 300 ohm 1/10W	RM73B-301J
			PMA-535R Only	R984		Carbon chip 390 ohm 1/10W	RM73B-391J
R903	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B-472J	R985		Carbon chip 620 ohm 1/10W	RM73B-621J
			PMA-535R Only	R986		Carbon chip 1 kohm 1/10W	RM73B-102J
R904	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B-473J	R987		Carbon chip 2 kohm 1/10W	RM73B-202J
			PMA-535R Only	R988		Carbon chip 6.2 kohm 1/10W	RM73B-622J
R905	241 2387 940	Carbon film 4.7 ohm 1/4W(NB)	RD14B2E4R7JNBS	R989~991	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B-472J
			PMA-535R Only				
R906,907	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B-473J	VR301	211 0904 007	Variable resistor 100 kohm	V1620V20FB104I
R908	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B-102J	VR302	211 0798 103	Variable resistor 100 kohm	V14V20FW104K
R909	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B-472J	VR303	211 0834 025	Variable resistor 100 kohm	V14V20FA104K
R910	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B-102J	VR304	211 0834 009	Variable resistor 30 kohm	V14V20FA303K
R911	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B-103J				
R912	247 0009 901	Carbon chip 4.7 kohm 1/10W	RM73B-472J				
R913	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B-103J				
R914	247 0013 900	Carbon chip 220 kohm 1/10W	RM73B-224J				
R915	247 0009 985	Carbon chip 10 kohm 1/10W	RM73B-103J				
R917	247 0011 944	Carbon chip 47 kohm 1/10W	RM73B-473J				
R918~920	247 0007 945	Carbon chip 1 kohm 1/10W	RM73B102J				
R921	247 0004 993	Carbon chip 91 ohm 1/10W	RM73B-910J				
R922	247 0005 918	Carbon chip 110 ohm 1/10W	RM73B-111J				
R923	247 0005 934	Carbon chip 130 ohm 1/10W	RM73B-131J				
R924	247 0005 950	Carbon chip 160 ohm 1/10W	RM73B-161J				

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	ORS GROU			OTHER P				
C151,152	253 8003 713	Ceramic 4700 pF/400V(AC)	CK45E2GAC472MC	CW051		5P connector base (TUC-P)		1
C151, 152 C153	254 4313 921	Electrolytic 22 µF/50V	CE04W1H220M(ASF)	CW101	205 0885 053			1
0100	204 4010 321	Lieutolytic 22 µF/30 V	OLUTIT ITIZZUNI(AUP)	0,,101	200 0000 000	To composit source (100-1)		'
C301,302	254 4254 909	Electrolytic 10 µF/16V	CE04W1C100M	CX041	205 0343 045	4P connector base (KR-PH)		1
C303,304	253 4538 949	Ceramic 100 pF/50V	CC45SL1H101J(DD-3)	CX053		5P connector base (KR-PH)		1
C305,306	254 4254 909	Electrolytic 10 µF/16V	CE04W1C100M	CX102	205 1000 002	10P FJ connector plug		1
C307,308	254 4313 963	Electrolytic 1 µF/50V	CE04W1H010M(ASF)	CX161	205 1055 028	16P connector base (TKC-V)		1
C309,310	256 1058 926	Metalized 0.039 µF/50V	CF93A1H393J (JL)	CX701~703	205 0606 025	2P wrapping terminal		3
C311,312	254 4260 919	Electrolytic 0.22 µF/50V	CE04W1HR22M					
C313,314	255 1265 936	Mylar film 0.01 µF/50V	CQ93M1H103J(B)	CY053	205 0343 058	5P connector base (KR-PH)		1
C315,316	256 1058 939	Metalized 0.047 µF/50V	CF93A1H473J (JL)	CY703	205 0442 001	2P wrapping terminal		1
C323,324	253 4537 982	Ceramic 56 pF/50V	CC45SL1H560J(DD-3)					
C325	255 1265 936	Mylar film 0.01 µF/50V	CQ93M1H103J(B)	ΔF101	206 1015 058	Fuse 1.6A	PMA-535R	
C327	255 4235 976	Polypropylene film 0.015 µF/100V	CQ93P2A153J(NH)				Europe & U.K.Model	1
C329,330	255 1264 908	Mylar film 1000 pF/50V	CQ93M1H102J(B)	∆F101	206 1046 027	Fuse 5A	PMA-535R	
							Taiwan R.O.C Model	1
C901	256 1058 971	Metalized 0.1 µF/50V	CF93A1H104J (JL)	ΔF101	206 1015 032	Fuse 2.5A	PMA-735R	
C902	254 4313 921	Electrolytic 22 µF/50V	CE04W1H220M(ASF)				Europe & U.K.Model	1
C903	254 4403 718	Electrolytic 1000 μF/25V	CE04W1E102MC (SMG)					
C904	254 4260 948	Electrolytic 1 µF/50V	CE04W1H010M	RL101	214 0142 004	Relay (TV-5)		1
C907	254 4406 702	Electrolytic 3300 µF/16V	CE04W1C332MC(SMG)					
C908	254 4260 919	Electrolytic 0.22 µF/50V	CE04W1HR22M	∆ S101	212 1030 009	Power switch (TV-5)		1
C911	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)	S901	212 0405 004	Rotary switch (6-1)		1
C912	254 4260 951	Electrolytic 2.2 µF/50V	CE04W1H2R2M	S902	212 0407 002	Rotary switch (SRRM-12)		1
C913	256 1058 971	Metalized 0.1 μF/50V	CF93A1H104J (JL)					
C914	254 4260 919	Electrolytic 0.22 μF/50V	CE04W1HR22M	ΔT101		Power trans, mint E2	Europe & U.K.Models	1
C915	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)	∆ T101	233 6267 007	Power trans. mini E3	Taiwan R.O.C Model	1
C917	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)					
C918		, ,	CE04W1C100M	W301	203 0501 027	1P SIN con. Ass'y		1
C920	254 4254 909		CE04W1C100M					
C923	254 4305 968		CE04W1H010M(SRE)	XL901	399 0107 900	Cramic resonator CST4.19MGW		1
C928	256 1058 971	Metalized 0.1 μF/50V	CF93A1H104J (JL)					
C929	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)		202 0040 909	· ·	F101	2
					415 0299 000	Condenser cover	for C151,C152	2
							İ	
ļ								
				į				
Ì								
1								
L								

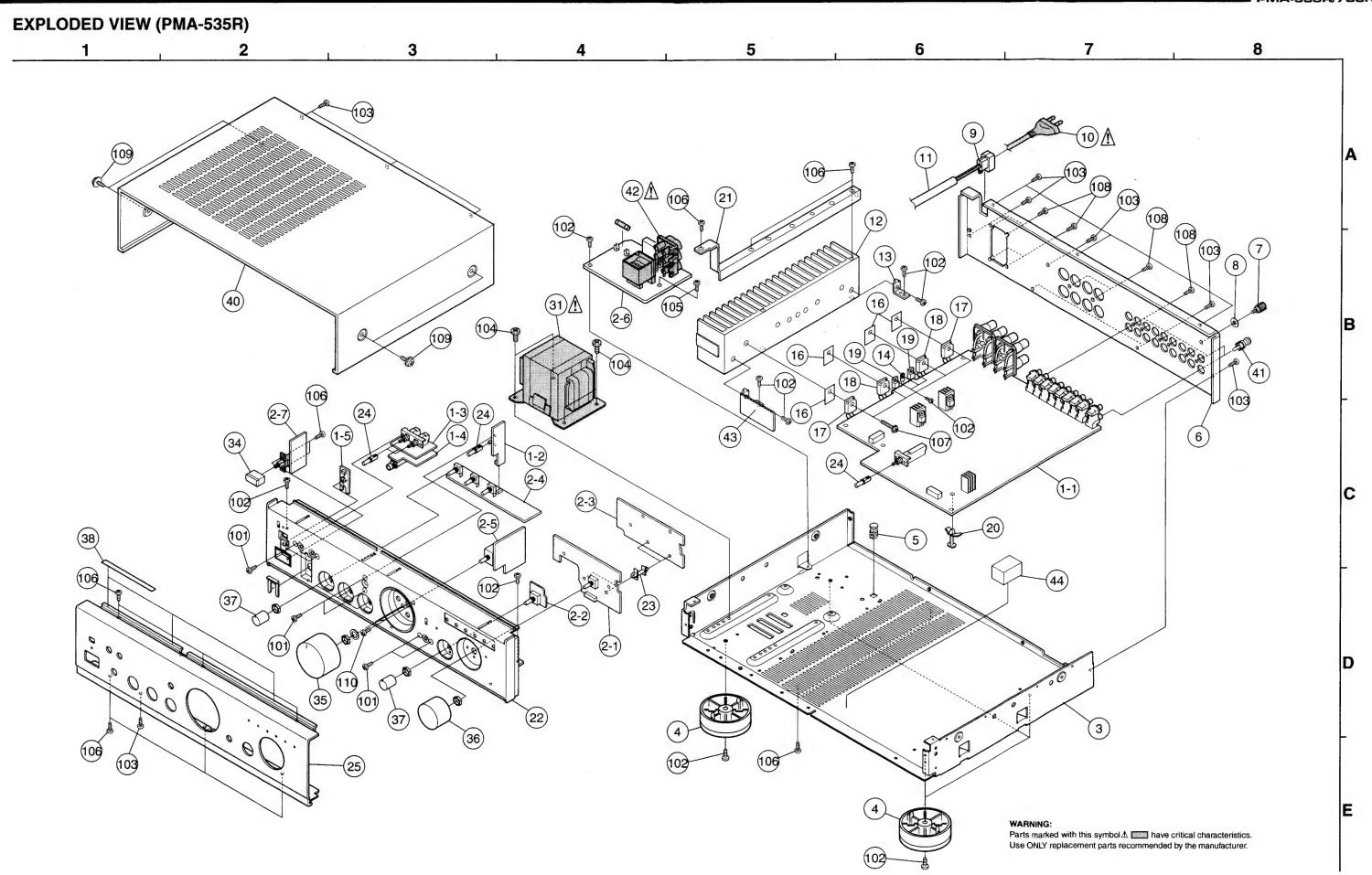
1U-3156 MAIN P.W.B. ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	GROUP		RESISTO	RS GROUP		
IC101	263 0753 000	IC NJM7809FA(S)		R109,110	241 2425 967	Carbon film 22 kohm 1/4W	RD14B2E223J(PSNB)
IC102,103	268 0073 905			R113,114	241 2422 944		RD14B2E102J(PSNB)
IC202	262 2487 009	IC TC9163AN		R201,202	241 2428 935	Carbon film 300 kohm 1/4W	RD14B2E304J(PSNB)
IC203		IC TC9164AN		R215,216		Carbon film 220 ohm 1/4W	RD14B2E221J(PSNB)
.0200	2022100000						, ,
IC401	263 0609 002	IC NJM2068DDC		R311,312	241 2425 909	Carbon film 12 kohm 1/4W	RD14B2E123J(PSNB)
IC904	499 0290 007	Remocon sensor GP1U271X		R501,502	241 2420 988		RD14B2E221J(PSNB)
				R503,504	241 2429 963		RD14B2E105J(PSNB)
TR101	274 0136 012	Transistor 2SD1913 (R/S)		R505.506	241 2420 904		RD14B2E101J(PSNB)
				R507~510	241 2424 900		RD14B2E472J(PSNB)
TR201,202	273 0303 910	Transistor 2SC1740S(S)		R511,512	241 2424 968		RD14B2E822J(PSNB)
				R513~520	241 2378 962	, ,	RD14B2E331JNBS
TR501~504	275 0055 015	FET 2SK184C (GR)/(BL)		R521,522		Metal oxide 3.9 kohm 1W	RS14B3A392JNBS(S)
TR505~508	273 0235 923	Transistor 2SC1841(E/F)		R523,524	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
TR509~512	271 0131 924	Transistor 2SA988(E/F)		R525,526	241 2425 983	Carbon film 27 kohm 1/4W	RD14B2E273J(PSNB)
TR513,514	273 0235 923	Transistor 2SC1841(E/F)		R527,528	241 2420 946	Carbon film 150 ohm 1/4W	RD14B2E151J(PSNB)
TR521,522	273 0235 923	Transistor 2SC1841(E/F)		R529,530	241 2377 921	Carbon film 82 ohm 1/4W(NB)	RD14B2E820JNBS
				R531,532	241 2424 955	Carbon film 7.5 kohm 1/4W	RD14B2E752J(PSNB)
TR601,602	273 0303 910	Transistor 2SC1740S(S)		R533~536	241 2377 992	Carbon film 160 ohm 1/4W(NB)	RD14B2E161JNBS
TR603,604	269 0067 901	Transistor RN1205(2.2K-47K)		R537,538	241 2425 912	Carbon film 13 kohm 1/4W	RD14B2E133J(PSNB)
				R539,540	241 2424 900	Carbon film 4.7 kohm 1/4W	RD14B2E472J(PSNB)
TR701,702	273 0303 910	Transistor 2SC1740S(S)		R541,542	241 2424 955	Carbon film 7.5 kohm 1/4W	RD14B2E752J(PSNB)
TR704~706	273 0303 910	Transistor 2SC1740S(S)		R543~550	244 2043 982	Metal oxide 0.22 ohm 1W	RS14B3AR22JNBS(S)
TR707	271 0192 905	Transistor 2SA933S(S)		R555~558	241 2425 967	Carbon film 22 kohm 1/4W	RD14B2E223J(PSNB)
TR708		Transistor 2SC1740S(S)		R561~564	244 2043 937	Metal oxide 10 ohm 1W	RS14B3A100JNBS(S)
TR709		Transistor 2SA988(E/F)					
				R651,652		Carbon film 12 kohm 1/4W	RD14B2E123J(PSNB)
D101		Diode FMG-22S		R653,654	241 2422 902		RD14B2E681J(PSNB)
D102		Diode FMG-22R		R655,656	241 2427 923		RD14B2E104J(PSNB)
D103,104	276 0553 905	Diode 1SR35-200A		R657,658	244 2052 931	Metal oxide 390 ohm 1W	RS14B3A391JNBS(S)
D201~204	276 0616 907	Diode 1SS252		R996		Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
				R998	241 2429 963	Carbon film 1 Mohm 1/4W	RD14B2E105J(PSNB)
D501,502		Diode 1SS252					
D507~512	276 0616 907	Diode 1SS252		VR501,502	211 6075 024	Semi fixed resistor 4.7 kohm	V06PB472 (CERMET)
D601~606	276 0616 907	Diode 1SS252					
ZD101,102	276 0645 907	Zener diode MTZJ18A	18V		ORS GROU		
ZD501~504	276 0643 925	Zener diode MTZJ2.7A	2.7V	C101		Metalized 0.1 μF/250V	CF93A2E104K
				C103,104		Electrolytic 8200 μF/63V	CE04W1J822MC(DL)
LD907	393 9539 908	LED SLR-342VRTF7LM		C105,106		Electrolytic 10 μF/50V	CE04W1H100M(ASF)
				C107,108		Electrolytic 100 μF/50V	CE04W1H101M(ASF)
				C109		Electrolytic 220 μF/25V	CE04W1E221M(ASF)
				C110	254 4260 948	Electrolytic 1 μF/50V	CE04W1H010M
i				C201,202	255 4237 929	Polypropylene film 56 pF/100V	CQ93P2A560J(NH)
				C203~214	253 4537 982	Ceramic 56 pF/50V	CC45SL1H560J(DD-3)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	Q'ty
C317,318	254 4260 906		CE04W1H0R1M	OTHER F		1		
C319,320	255 1265 978		CQ93M1H223J(B)	CW061	205 0343 061	6P connector base (KR-PH)		1
C321,322	255 1265 936		CQ93M1H103J(B)	CW102	205 1081 005			1
,				CW161	205 1056 027	16P connector socket TKC-V		1
C401	255 4237 903	Polypropylene film 2700 pF/100V	CQ93P2A272J(NH)	0101	200 1000 027	To some social file		'
C403~406	253 4538 965	Ceramic 120 pF/50V	CC45SL1H121J(DD-3)	CX051	205 0885 008	5P connector socket (TUC-P)		1
C407,408	253 1179 929	·	CK45B1H151K(DD-3)	CX101	205 0884 054			1
C409,410	254 4254 909		CE04W1C100M	CX705	205 0087 042	, ,		1
C411,412	254 4252 943		CE04W1A221M	0,1,00	200 0001 012	in wapping torring		
C413,414	253 4538 949		CC45SL1H101J(DD-3)	CY041	205 0343 045	4P connector base (KR-PH)		1
C417,418	255 1264 908		CQ93M1H102J(B)	01011	200 00 10 0 10	W connector base (WYTT)		'
C419,420	255 1265 907		CQ93M1H682J(B)	CZ061	205 0343 061	6P connector base (KR-PH)		1
C421,422	255 1265 978		CQ93M1H223J(B)	02001	203 0043 001	or connector base (RR-171)		'
C423,424	255 1264 940		CQ93M1H222J(B)	JK101~103	204 8543 019	6D nin jack		3
C425,426	254 4313 963		CE04W1H010M(ASF)	JK651		Headphones jack		1
C427,428		Electrolytic 2.2 µF/50V	CE04W1H2R2M	3/(03)	204 654 1 004	neauphones jack		'
0421,420	201 1200 001	Elocatory to 2.2 pt 700 v	OLO TIVITIZITAZIO	L401,402	225 0002 002	FTZ choke coil	Eurapa Madal Only	2
C501~504	255 4235 018	Polypropylene film 100 pF/100V	CQ93P2A101J(NH)	L401,402	235 9003 002	F12 CHOKE COII	Europe Model Only	-
C505,506	255 1264 908		CQ93M1H102J(B)	DI 204 000	044 0407 000	D-I (D)(40)4()		
C507,508		Electrolytic 47 µF/25V	CE04W1E470M(ASF)	RL201,202		Relay (RY-12W)		2
C507,506 C509,510		Polypropylene film 39 pF/100V	CQ93P2A390J(NH)	RL601,602	214 0194 007	Relay (VB12SMBU)		2
		Electrolytic 100 µF/50V		RL603	214 0127 003	Relay (RY-12W)		1
C523,524			CE04W1H101M(ASF)					
C525,526	255 4232 937		CQ93P2A102J(NH)	S301		1P push switch		1
C527,528	256 1058 971	· ·	CF93A1H104J (JL)	S302		1P push switch		1
C529~532	1	Electrolytic 4.7 µF/63V	CE04W1J4R7M(ASF)	S651	212 4690 006	2P push switch		1
C541~544	255 1264 940	Mylar film 2200 pF/50V	CQ93M1H222J(B)					
0007.000	054 4040 004	Floretralistic 22 F/FOV	OFOANALISSON(A OF)	TP501,502	205 0190 036	3P NH connector base		2
C607,608		Electrolytic 22 μF/50V	CE04W1H220M(ASF)					
C651,652		Electrolytic 47 µF/50V	CE04W1H470M	TR102	417 0476 007	Radiator		1
C653	255 4232 937	Polypropylene film 1000 pF/100V	CQ93P2A102J(NH)					
C671,672	255 1264 940	Mylar film 2200 pF/50V	CQ93M1H222J(B)	W651	203 0501 027	1P SIN con. Ass'y		1
0070 070	055 4005 004	D-1	Europe Model Only					
C673~676	255 4235 934	Polypropylene film 0.01 µF/100V	CQ93P2A103J(NH)		272 0093 010	· · ·		1
			Europe Model Only		417 0476 007			3
			050404540444		417 0476 049			2
C701		Electrolytic 100 μF/25V	CE04W1E101M		471 3304 028	Screw 3 x 8 CBS-B		5
C702		Electrolytic 330 μF/6.3V	CE04W0J331M					
C703		Electrolytic 33 μF/50V	CE04W1H330M		,			
C704		Mylar film 0.01 μF/50V	CQ93M1H103J(B)					
C705		Electrolytic 0.22 μF/50V	CE04W1HR22M					
C706		Electrolytic 1 μF/50V	CE04W1H010M					
C924	255 1265 936	Mylar film 0.01 μF/50V	CQ93M1H103J(B)					

PARTS LIST OF EXPLODED VIEW (PMA-535R)

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q't
1	1U-3110	Main P.W.B. ass'y		1	34	113 9213 000	P. knob (P) ass'y	Black Model	1
1-1	_	Main P.W.B. unit			34	113 9213 039	P. knob (P) ass'y	Gold Model	1
1-2		Loud. P.W.B. unit			35	112 0744 106		Black Model	1
L 1-3	-	SP. SW. P.W.B unit			35	112 0744 122	VR knob ass'y	Gold Model	1
1-4	_	H/P P.W.B unit			36	112 0699 109	MARU knob ass'y	Black Model	1
1-5	_	LED P.W.B unit			36		MARU knob ass'y	Gold Model	1
2	1U-3111	U-COM P.W.B ass'y		1	37	1	Knob (MARU)	Black Model	4
ے ا	_	F. SW P.W.B unit			37	112 0685 113	Knob (MARU)	Gold Model	4
2-2	_	R. SEL. SW. P.W.B unit			38	461 0501 005	Rubber sheet	I/PANEL	3
2-3	_	U-COM P.W.B unit			★39	445 8004 007	Wire clamper		7
2-4	-	Tone P.W.B unit			40	102 0595 002	Top cover	Black Model	1
2-5		Main volume P.W.B unit			40	102 0595 015	Top cover	Gold Model	1
2-6	***	AC P.W.B. unit			41	209 0012 006	Short pin		2
L 2-7		P. SW P.W.B. unit			△ 42	203 3975 003	AC outlet (E2)	Europe Model Only	
3	411 1267 725	Main chassis		1	▲ 42	203 3974 004	AC outlet	Talwan R.O.C Model	١,
4	104 0194 205	Foot ass'y		4	43	414 0853 003	Shield plate	Europe Model Only	1
5	412 2762 002	P.W.B. holder	AC OUTLET	1	44	461 0957 099	Rubber foam		1
6	105 1282 012	Back panel	Europe Model	1	★ 45	513 2769 036	Rating sheet (T)	Taiwan R.O.C Model Only	1
6	105 1282 025	Back panel	Taiwan R.O.C Model	1	★46	513 2482 009	Caution label (T)	Taiwan R.O.C Model Only	1
7	205 0071 016	Terminal ass'y		1					
8	477 0018 001	Washer (P-87)		1	SOPEWO				
9	445 0056 008	Cord bush		1	SCREWS				T -
Δ 10	206 2063 009	AC cord with plug	Europe Model	1	101	473 7002 018			8
∆ 10	206.2060.002	AC cord (polarized)	Taiwan R.O.C Model	1	102	473 7005 002	Screw 3 x 10 CBTS (S)-Z		14
A 10	206.2131.009	AC cord with plug	U.K. Model	1	103	473 7015 018	Screw 3 x 8 CBTS (S)-B		9
11	415 0364 032	UL tube (8.3)	for AC CORD, L=90	1	104	473 7026 007	Screw 4 x 6 CBTS (S)-B		4
12	417 0566 302	Power radiator		1	105	473 7501 030	Screw 3 x 20 CBTS (P)-Z		1
13	412 3225 205	P.W.B bracket (A)	Europe Model	1	106	473 7508 017	Screw 3 x 10 CBTS (P)-B		13
13	412 3225 205	P.W.B bracket (A)	Taiwan R.O.C Model	2	107	473 8007 038	Cup screw 3 x 14	7	4
14	279 0034 054	Posistor PTH9M04BC222TS2F333	TH701	1	108	477 0064 107	Fixing screw		10
★15	415 0309 055	P.V.C tube (L=07)	for POSISTOR, L=7	2	109	477 0263 005	•	Black Model	4
16	415 0234 007	Insulating sheet		4	109		3P. swelling screw	Gold Model	4
17	272 0152 003	Transistor 2SB1383(P/Y)	TR519,520	2	110	473 8034 027	Screw 3 x 8 CBTS (B)-B		2
18	274 0190 003	Transistor 2SD2083(P/Y)	TR517,518	2					
19	273 0450 009	Transistor 2SC4495(O/Y)	TR515,516	2	PACKING	& ACCESS	ORIES		
20	449 0050 022	Card spacer		1	201	513 1581 008	Serial No. sheet	Europe Model	1
21	412 4365 009	Radiator bracket		1	201	513 2481 000	Serial No. sheet (T)	Taiwan R.O.C Model	1
22	146 2075 203	Inner panel	Black Model	1	202	505 8006 019			1
22	146 2075 216	Inner panel	Gold Model	1	203	511 3285 005	Instruction manual		1
23	412 2404 027	PWB holder (WLS-10)		2	204	515 0671 601	Service station list (EX)		1
24	113 1356 004	Push knob (MARU)	Black Model	4	205	-	Battery UM-3		1
	113 1356 062	Push knob (MARU)	Gold Model	4	206	399 0497 005	Remote controller RC-843		1
		Front panel ass'y	Black Model	1	207	504 9102 003			1
		Front panel ass'y	Gold Model	1	208	505 9102 019			1
	204 0378 088	6P KR-KR ribbon 225	for CZ,CW061, L225	1	209		Cushion		2
		4P KR-KR ribbon 400	for CX,CY041	1	210	501 2017 015	Carton case		1
★29	1	5P KR-KR ribbon 500	for CX,CY053	1	211	517 1370 020	E2 POS label	Europe Black Model Only	1
1		3P KR-KR ribbon 300	for CX,CY031	1	211	517 1370 033	E2 POS label	Europe Gold Model Only	1
		Insulating tube	12.7TUBE, L=250	1	212	513 1389 006	Control card base		1
		Power trans. (E2)	Europe & U.K. Model	1	213	513 1349 004	Thermal carbon film		1
***************************************		Power trans. (E3)	Taiwen R.O.C Model	1	214	513 3195 007	KOLIN label (T)	Taiwan R.O.C Model Only	1
		Vinyl wire	ORENGE, L=370	1	215		Color label (Gold)	Gold Model Only	2
	001 0148 088	Vinyl wire	RED, L=370	4					,



Parts marked with this symbol △ have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

PARTS LIST OF EXPLODED VIEW (PMA-735R)

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q't
1	1U-3156	Main P.W.B. ass'y		1	36	112 0699 109		Black Model	1
_ 1-1		Main P.W.B. unit			36	112 0699 125	,	Gold Model	1
1-2	_	Loud P.W.B. unit			37		Knob (MARU)	Black Model	4
1-3	_	SP. SW. P.W.B. unit			37	112 0685 113		Gold Model	4
1-4	-	H/P P.W.B. unit			38	461 0501 005	,	I/PANEL	3
_ 1-5		LED P.W.B. unit			★39	445 8004 007		IN ANEL	4
2	10-3111	U-COM P.W.B. ass'y		1	40	102 0416 152		Black Model	1
_ 2-1		F. SW. P.W.B. unit		'	40	102 0416 165		Gold Model	1
2-2	_	R. SEL. SW. P.W.B. unit			41	209 0012 006	·	Gold Woder	2
2-3	_	U-COM P.W.B. unit			Δ 42		AC outlet (E2)	Europe Model	1
2-4	_	Tone P.W.B. unit			43	414 0853 003	•	Europa nacoca	1
2-5		Main volume P.W.B. unit			44	461 0677 007	Rubber Sheet		2
2-6	_ ((AC P.W.B. unit			45	461 1012 001	Rubber Foam		1
2-7		P. SW. P.W.B. unit			46	441 1882 004			1
3	411 1267 738			1	47	205 0989 001	4P terminal	SP TERMINAL	4
4	104 0194 205			4	48	412 4435 007	CU plate	OF TERMINAL	1
5		P.W.B. holder	AC OUTLET	1	49	103 1714 005	•		1
6	105 1286 102		AC OUTLET	1	50	103 17 14 003			1
7		Terminal ass'y		1	50	103 17 13 004	Opacei (L)		'
8	477 0018 001	· ·		1					
9	445 0056 008	` '		1					
Δ 10		AC cord with plug	Europe Model	1	SCREWS	3			
		AC cord with plug	U.K. Model	1	101	473 7002 018	Screw 3 x 8 CBTS(S)-Z		8
11	515 0390 019		for AC CORD, L=120		102	473 7005 002	Screw 3 x 10 CBTS(S)-Z		15
12		Power radiator	101 AC COND, L-120	1	103	473 7015 018	Screw 3 x 8 CBTS(S)-B		9
13		P.W.B bracket (A)		1	104	473 7026 007	Screw 4 x 6 CBTS(S)-B		8
14	279 0034 067	Posistor PTH9M04BB222TS2F333	TH701		105	473 7501 030	Screw 3 x 20 CBTS (P)-Z		1
★ 15	415 0309 055		for POSISTOR, L=7	2	106	473 7508 017	Screw 3 x 10 CBTS(P)-B		13
16	415 0234 007	Insulating sheet	101 F 0313 F 01X, E=7	4	107	473 8007 067	Cup screw 3 x 18		4
17	272 0154 001	Transistor MP1715	TR519,520	2	108	477 0064 107	Fixing screw		14
18	274 0192 001	Transistor MN1715	TR517,518	2	109	477 0263 005	3P. swelling screw	Black Model	4
19	273 0450 009		TR515,516	2	109	477 0263 018	3P. swelling screw	Gold Model	4
20	449 0050 019	,	111010,010	1	110	473 7005 044	Screw 3 x 20 CBTS(S)-Z		2
21		Radiator bracket		1	111	473 8034 027	Screw 3 x 8 CBTS(B)-B		2
22	146 2075 229		Black Model	1					
	146 2075 232		Gold Model	1					
23		PWB holder (WLS-10)		2	PACKING	& ACCESS	ORIES		
		Push knob (MARU)	Black Model	4	201		Serial no. sheet		14
24		Push knob (MARU)	Gold Model	4	201	505 8006 019			1
25		Front panel ass'y	Black Model	1	202	511 3285 005	Envelope		1
		Front panel ass'y	Gold Model	1			Instruction manual		1
★27		6P KR-KR ribbon 225	for CZ,CW061, L225	1	204 205	515 0671 601	Service station list (EX)		1
★28		4P KR-KR ribbon 400	fot CX,CY041	1	205	300 0407 005	Battery UM-3 Remote controller RC-843		
★ 29		5P KR-KR ribbon 500	for CX,CY053	1	207	504 9102 003			
	203 4872 011		for CX,CY031	1	207	505 9102 003			
★30		Insulating tube	12.7TUBE, L=250	1	209	503 9102 019	Cushion		2
		Power trans. (E2)	Europe & U.K. Model	************					2
***************************************	001 0148 075		ORENGE, L=370	1	210 211		Carton case	Black Model	1
	001 0148 088		RED, L=370	1		517 1370 004		Black Model	1
		P. knob (P) ass'y	Black Model	1	211	517 1370 017		Gold Model	1
		P. knob (P) ass'y	Gold Model	1	212		Control card base		1
	112 0744 106		Black Model	1	213		Thermal carbon film	Cold Model Only	1
35		VR knob ass'y	Gold Model	1	214	212 2111 001	Color label (Gold)	Gold Model Only	2
"									

